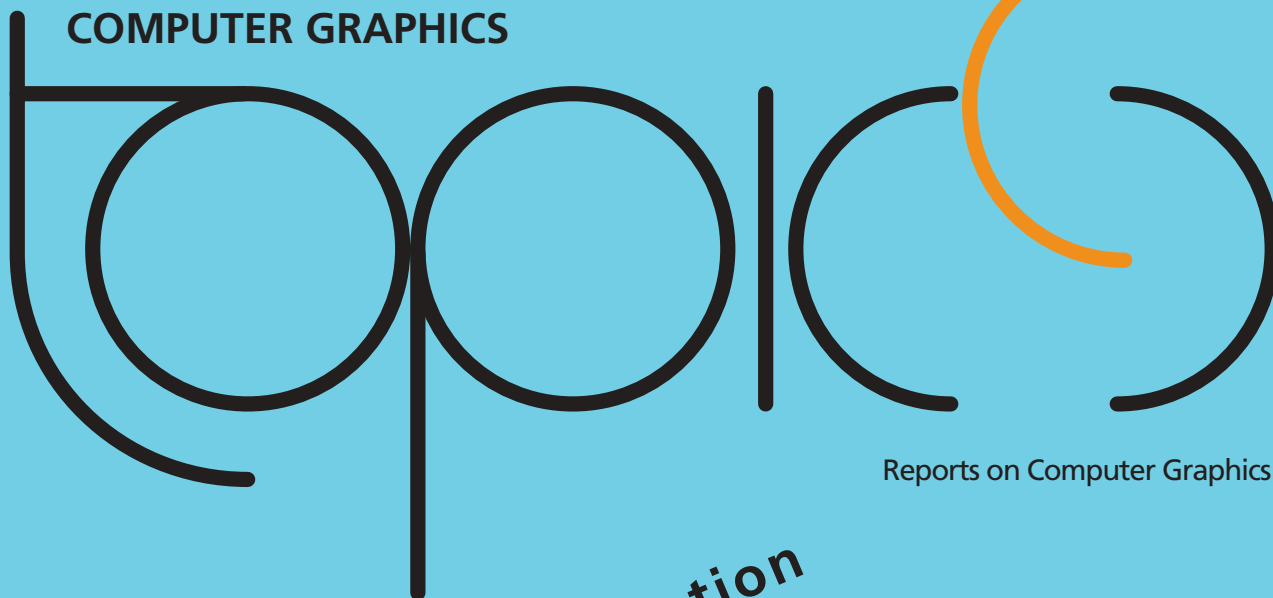


# COMPUTER GRAPHICS

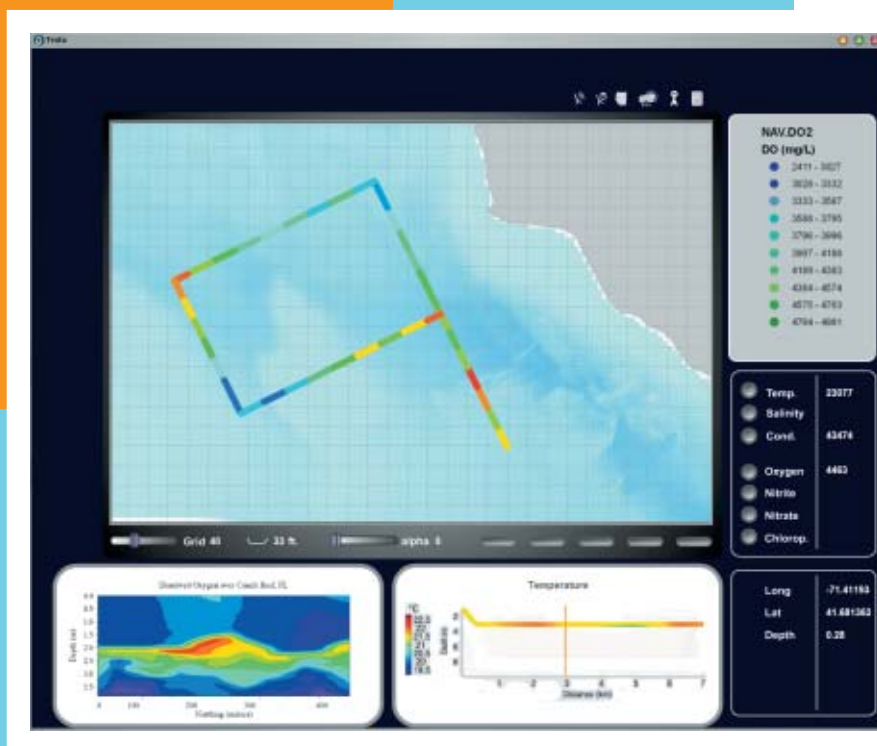


Reports on Computer Graphics

## User-centered Visualization and Interface Design

**SIGGRAPH2005**  
The 32nd International Conference on  
Computer Graphics and Interactive Techniques  
  
Conference 31 July - 4 August 2005  
Exhibition 2 - 4 August 2005  
Los Angeles Convention Center





## GIS Technologies

SIGGRAPH  
ISSUE

## Events

### Workshops

#### GameDays 2005 – Impressions

ZGDV Darmstadt initiated and organized the GameDays 2005 in cooperation with Fraunhofer IGD Rostock and Prof. Maic Masuch of the University of Magdeburg. The GameDays 2005 took place at the Fraunhofer Institute in Darmstadt from May 24th to May 26th. The full program, descriptions of the speakers and exhibits, sponsors, and press infos are available at [www.zgdv.de/GameDays2005](http://www.zgdv.de/GameDays2005).

On the first two days, participants from science and business came together and discussed current trends and hot topics around computer games ranging from game theory, game consoles (e.g. presentation of Nintendo), or mobile computer games to game-based learning applications or computer games for the upcoming soccer world championship 2006. For instance, Prof. Dr. Heinz Liesen as vice president of the youth soccer foundation (chaired by Jürgen Klinsmann) introduced »soccer as language« and the idea to use game-based approaches for playful knowledge transfer for kids. For this aim, storytelling technology is used to provide an exciting and suspenseful environment for knowledge transfer of facts and soft skills such as team spirit or fairness.

On May 26th (Corpus Christi Day) the whole family and especially kids were invited to dive into the world of computer games and have a look behind the scene. Highlights of the program represented a lecture for kids about computer games, a gam(b)ling room, a cinema and a course »game development« where kids developed their own (pacman-oriented) game within 3 hours.

Since the feedback and resonance of the GameDays 2005 was very positive (over 20 exhibitors, approx. 50 participants for »science meets business«, about 120 persons enjoying the family day, various press infos)



Marko Hein, Head of Product Analysis & Online, Nintendo Europe, at his talk »Größer, besser, schneller – die Lösung für die Zukunft?« / »Bigger, better, faster – the solution for the future?«



Axel Feix, Storytelling group at ZGDV, providing a lecture about computer games and game development (not only) for kids



Racing games presented by nVidia and PNY



»Game Artifacts« presented by the Computer Culture Museum



Discussion during the exhibition



Townsmen 2 presented by HandyGames



Start of the game development course



Game course – level editor design



Award ceremony of the game development course



Winning team of the game development course

the organizers decided to start a GameDays series on an annual basis, the GameDays 2006 taking place in Darmstadt in early June, 2006.

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GameDays2005

#### Research goes Business: Innovative Business Ideas for Mecklenburg-Vorpommern

*First call for ideas competition  
»Computer Graphics 2005« of  
Fraunhofer IGD Rostock encourages  
researchers to present creative business  
ideas*

New ideas are needed in the country and deserve the chance to prove themselves. In April, motivated by the ideas competition Mecklenburg-Vorpommern (M-V) taking place since 2002, Fraunhofer IGD Rostock (Institute for Computer Graphics) initiated the expert ideas competition »Computer Graphics 2005«. Researchers of the institute and associated institutions have submitted innovative business ideas. Only contributions focusing on the concrete realization of

products, processes, and services in M-V were admitted. A total of 17 papers was handed in to the jury by the researchers of Fraunhofer IGD, ZGDV e.V. (Center for Computer Graphics), the Rostock University, and the University of Applied Sciences of Wismar. In a preselection the best five ideas were identified by a committee.

On May 31, 2005 the jury, mainly consisting of representatives of the industry like SIV. AG, Planet internet commerce GmbH, GENIUS Venture Capital GmbH, MAZ level one, EXFOR-Gründungsinstitut (Foundation Institute), PARADIGM S.A. Athens, and INI-GraphicsNet Foundation, awarded a prize of 6,000 Euro to the three most innovative concepts. Main objective for the candidates was not to deliver sophisticated business plans but concise and practical concepts. The candidates had 20 minutes approximately for their presentations.

#### 1st place

The development of a software for videos enabling the viewer to add information to the objects or retrieve additional information about them was awarded the most innovative idea in line with the market.

Dipl.-Inf. Mirko Ebert of Fraunhofer IGD won this prize and was awarded 3,000 Euro. The application fields of the software technology come from

all domains of industry, public institutions, as well as private users. By getting marked information about machines and plants or notes to private vacation videos regionally or temporally distributed persons are enabled to communicate and collaborate.

#### 2nd place

Dipl.-Ing. Gerald Bieber of Fraunhofer IGD convinced the experts with his idea of a diabetes tracker for diabetes patients and took the second place. The mobile device developed by him automatically records the energy consumption resp. the physical activities of a patient in order to allow a better adjustment of the level of blood sugar. Due to the calculations the diabetes tracker is also able to recommend different actions to the patient like inviting him to take his insulin dose or to do some physical training, e.g. have a half-hour walk.

#### 3rd place

The third place was awarded to the brilliant contribution of Professor Clemens Cap of Rostock University. He obtained 1,000 Euro for his concept »Open Web – Registrations, Links, and Surveys for Everyone« describing a novel concept for Internet search machines.

The jury was very content with the presentations for the first ideas competition of Fraunhofer IGD Rostock. »The quality of the concepts and the technologies developed was very high«, Wolfgang Kniejski said, chairman of the jury and managing director of the INI-GraphicsNet Foundation. »We want to encourage the scientists to develop application-oriented research innovations and to place them into business and into the market.« The INI-GraphicsNet is a worldwide leading network in the